

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

07/13/2011

Ryan Mingo
Assistant District Attorney, Suffolk County

Dear ADA Mingo,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Kate Corbett
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Maintenance and repairs of all analytical instruments.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- * Responsible for the Quality Control/Quality Assurance program for the drug lab.
- *Notary Public.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)
GLP/GMP course with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC and GC/MS courses with Agilent Technologies and Restek.
HPLC course with Waters Cooperation.
FTIR course with Spectros.
TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)
Northeastern Association of Forensics Science (NEAFS)



DRUG RECEIPT

CC # _____
BOOK # 67
PAGE # 32
DESTRUCTION # _____

District/Unit D-4 DCU

Name & Rank of Arresting Officer Sgt Det^b Keevan ID# 10652

To be completed by ECU personnel only

Name and Rank of Submitting Officer _____ ID# _____

Received by X Date 2/14/11

Date 2/14/11

ECU Control # _____

No. [REDACTED]

Date Analyzed: 2/17/11

City: Boston Police Dept.

Officer: Detective Sergeant JOYCE

Def: [REDACTED]

Amount:

Subst: LOOSE SUB

No. Cont: 1 Cont: pb

Date Rec'd: 02/14/2011

No. Analyzed:

Gross Wt.: 3.97

Net Weight: 0.16

Tests: 4 AASD
• 20AC

Prelim: Heroin

Findings: Heroin

No. [REDACTED]

Date Analyzed: 2/17/11

City: Boston Police Dept.

Officer: Detective Sergeant JOYCE

Def: [REDACTED]

Amount:

Subst: LOOSE SUB

No. Cont: 1 Cont: pb

Date Rec'd: 02/14/2011

No. Analyzed:

Gross Wt.: 3.91

Net Weight: 0.17

Tests: 4 AASD
• 20AC

Prelim: Heroin

Findings: Heroin

No. [REDACTED]

Date Analyzed: 2/17/11

City: Boston Police Dept.

Officer: Detective Sergeant JOYCE

Def: [REDACTED]

Amount:

Subst: LOOSE SUB

No. Cont: 1 Cont: pb

Date Rec'd: 02/14/2011

No. Analyzed:

Gross Wt.: 3.95

Net Weight: 0.17

Tests: 4 AASD
• 20AC

Prelim: Heroin

Findings: Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST ADJ

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt () : _____

Being powdered substance

17 - 85

Gross Wt () : _____

loose

Pkg. Wt: _____

Net Wt: 0.1676

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-)

Marquis +

Froehde's +

Mecke's +

Microcrystalline Tests

Gold
Chloride _____

TLTA (-)

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 2-15-11

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS
OPERATOR KAC

DATE 2-17-11

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST AS?

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt () : _____

Black powdered substance

Gross Wt () : _____

11.1g

Pkg. Wt: _____

100g

Net Wt: 0.1137

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (+) _____

Microcrystalline Tests

Gold Chloride _____

Marquis + _____

TLTA () _____

Froehde's + _____

OTHER TESTS

Mecke's + _____

PRELIMINARY TEST RESULTS

RESULTS None

GC/MS CONFIRMATORY TEST

DATE 2-15-11

RESULTS None

MS OPERATOR LCAC

DATE 2-17-11

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST 837

No. of samples tested: _____ Evidence Wt: _____

PHYSICAL DESCRIPTION: Gross Wt (): _____

Being powdered substance

in vials

loose

Gross Wt (): _____

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 0.1790

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (+) _____

Marquis + _____

Froehde's - _____

Mecke's + _____

Microcrystalline Tests

Gold Chloride _____

TLTA (-) _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Non-tox _____

DATE 2-15-11 _____

GC/MS CONFIRMATORY TEST

RESULTS Heroin _____

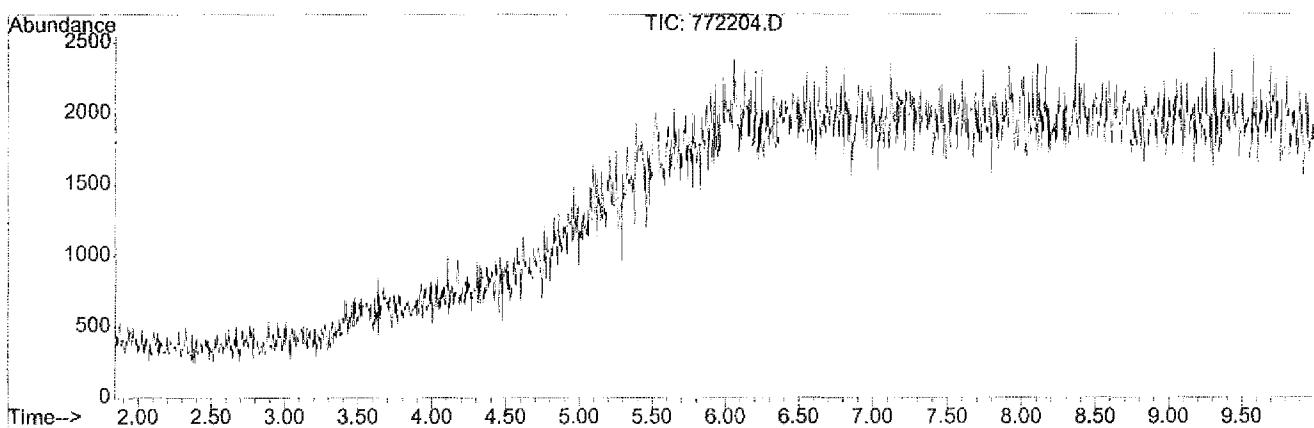
MS OPERATOR LCAC _____

DATE 2-17-11 _____

Area Percent / Library Search Report

Information from Data File:

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Operator : KAC
Date Acquired : 16 Feb 2011 10:43
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



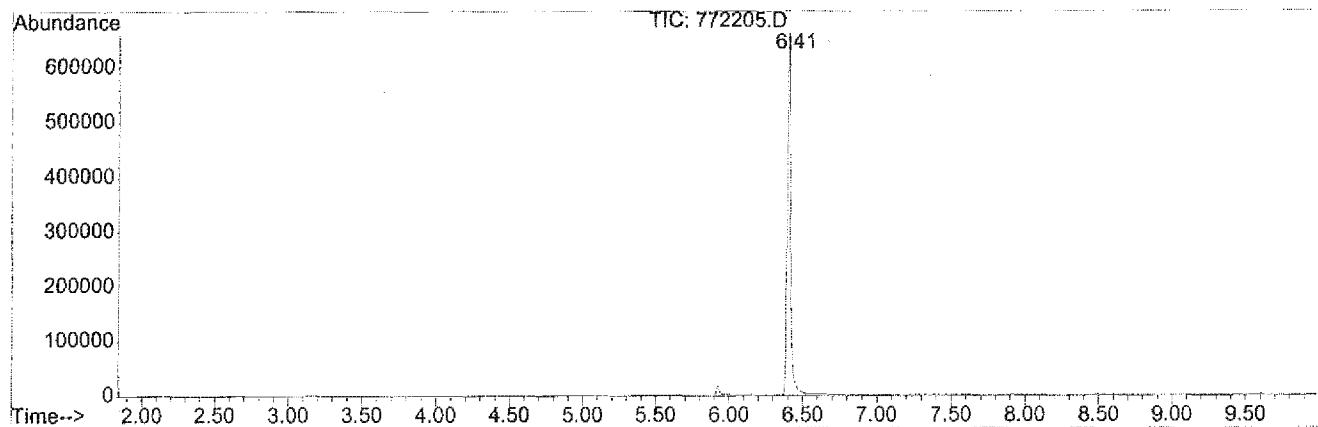
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772205.D
Operator : KAC
Date Acquired : 16 Feb 2011 10:56
Sample Name : HEROIN STD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.407	1076967	100.00	100.00

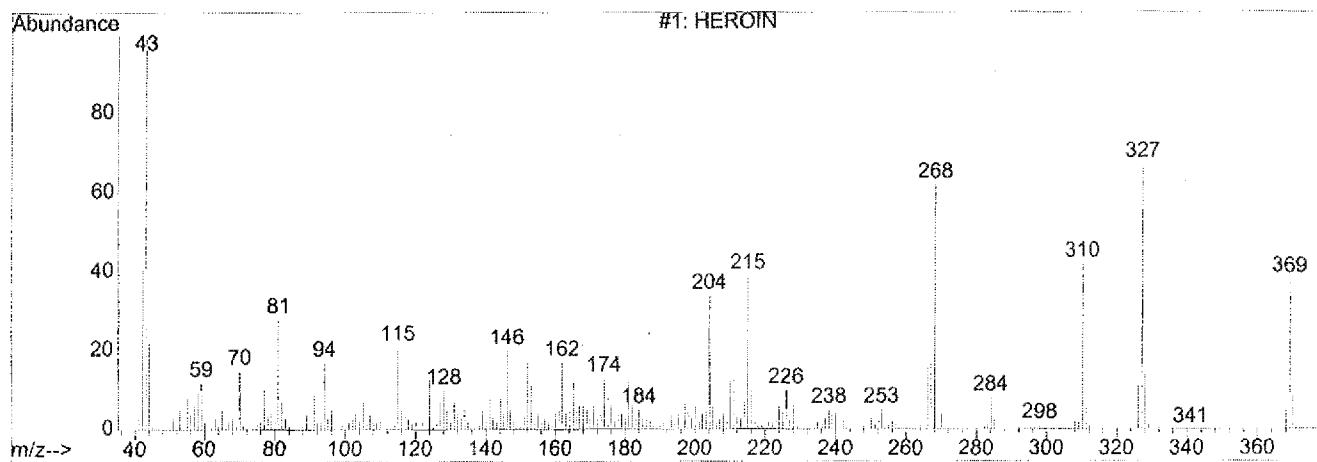
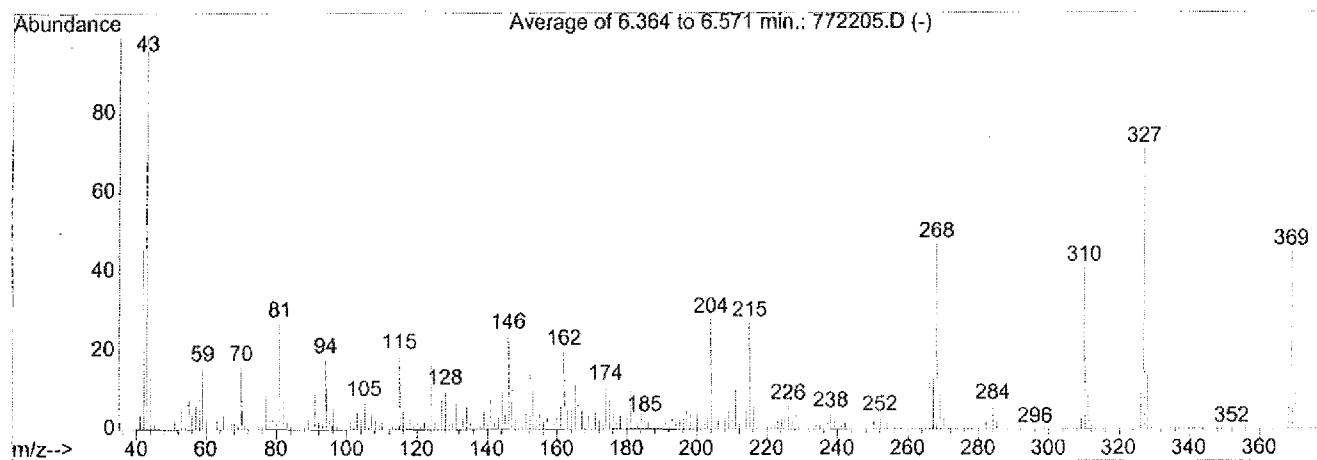
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772205.D
 Operator : KAC
 Date Acquired : 16 Feb 2011 10:56
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 5
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

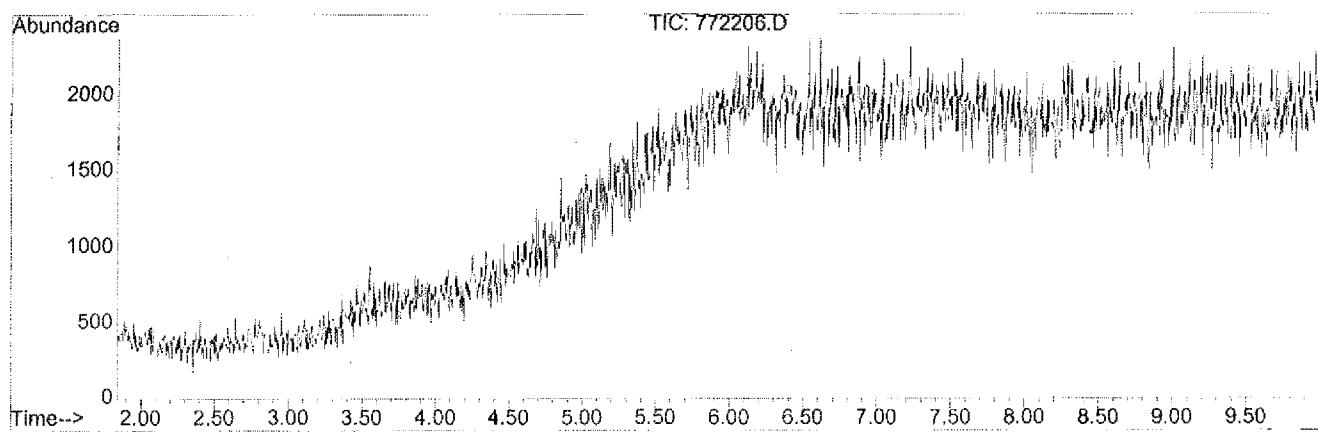
PK#	RT	Library/ID	CAS#	Qual
1	6.41	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772206.D
Operator : KAC
Date Acquired : 16 Feb 2011 11:09
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



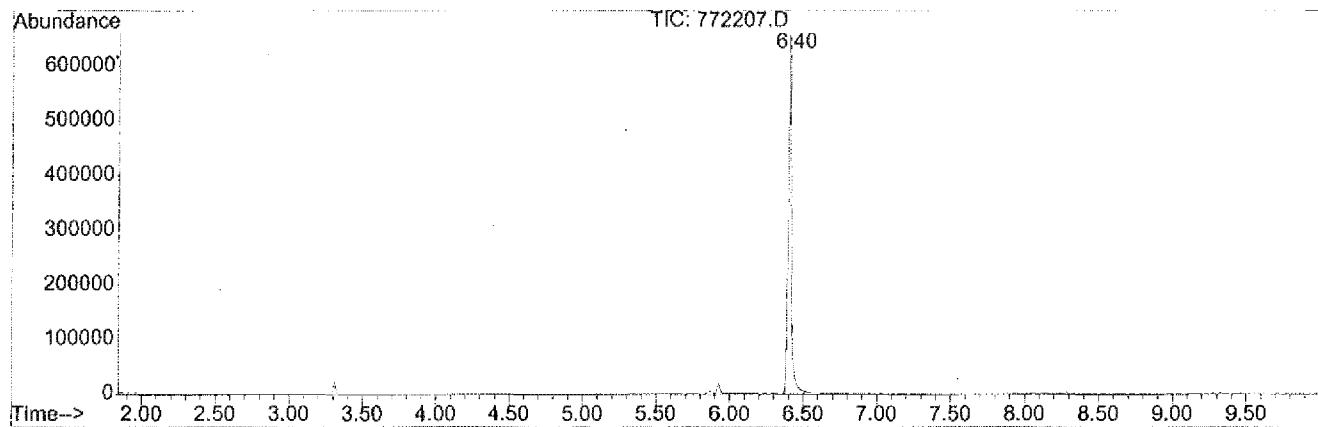
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772207.D
Operator : KAC
Date Acquired : 16 Feb 2011 11:21
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.401	1022579	100.00	100.00

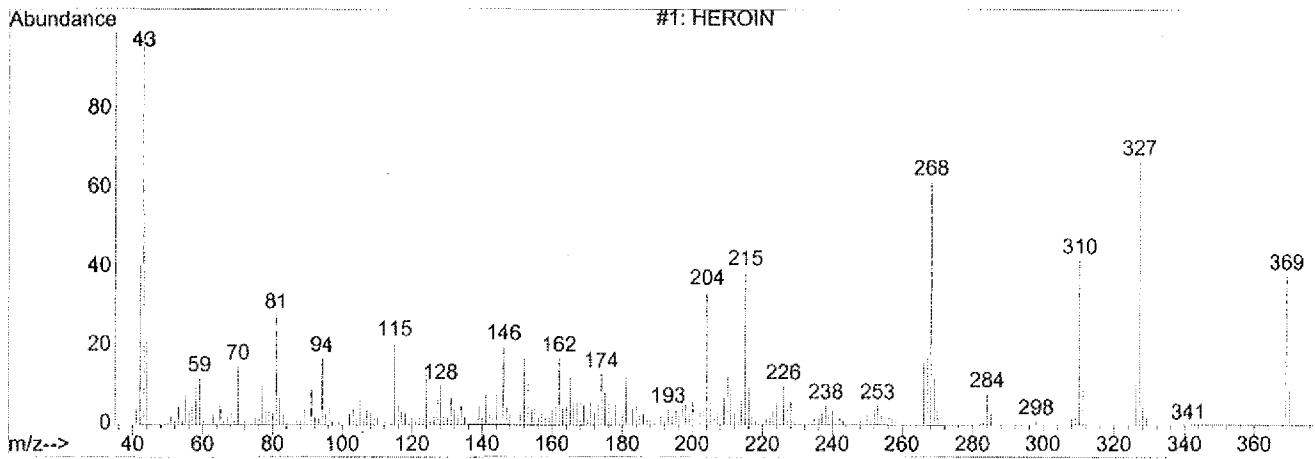
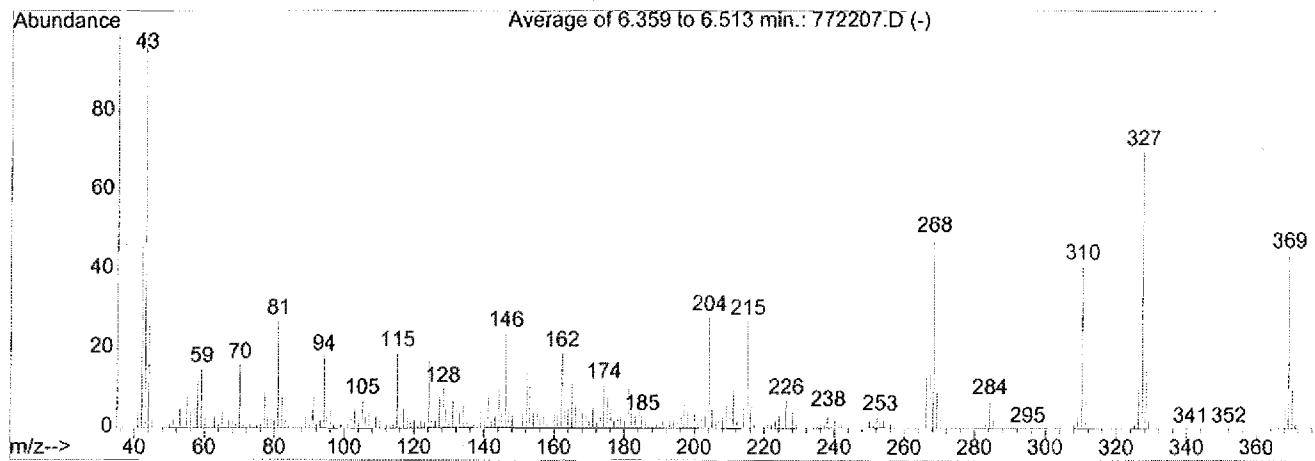
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772207.D
Operator : KAC
Date Acquired : 16 Feb 2011 11:21
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

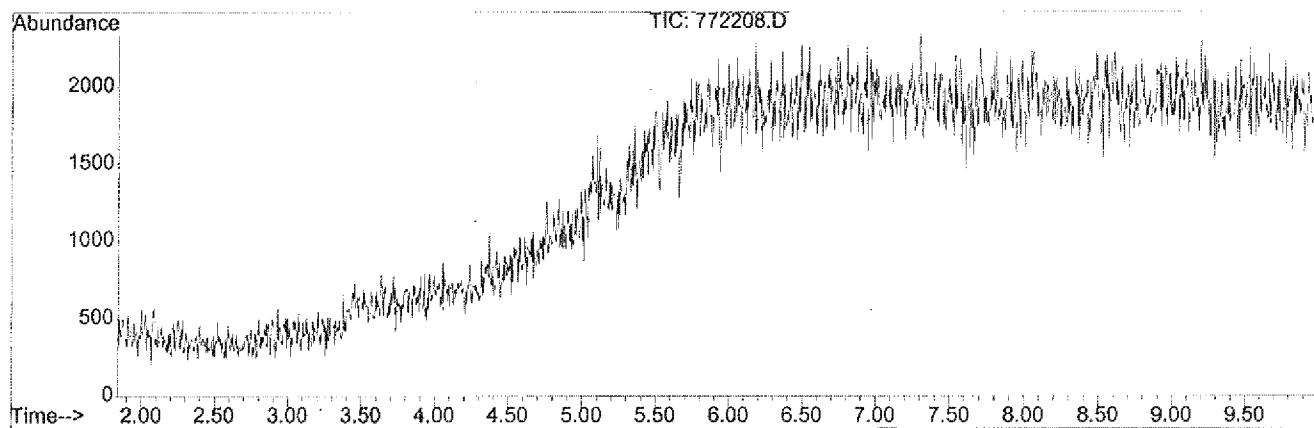
PK#	RT	Library/ID	CAS#	Qual
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Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772208.D
Operator : KAC
Date Acquired : 16 Feb 2011 11:34
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



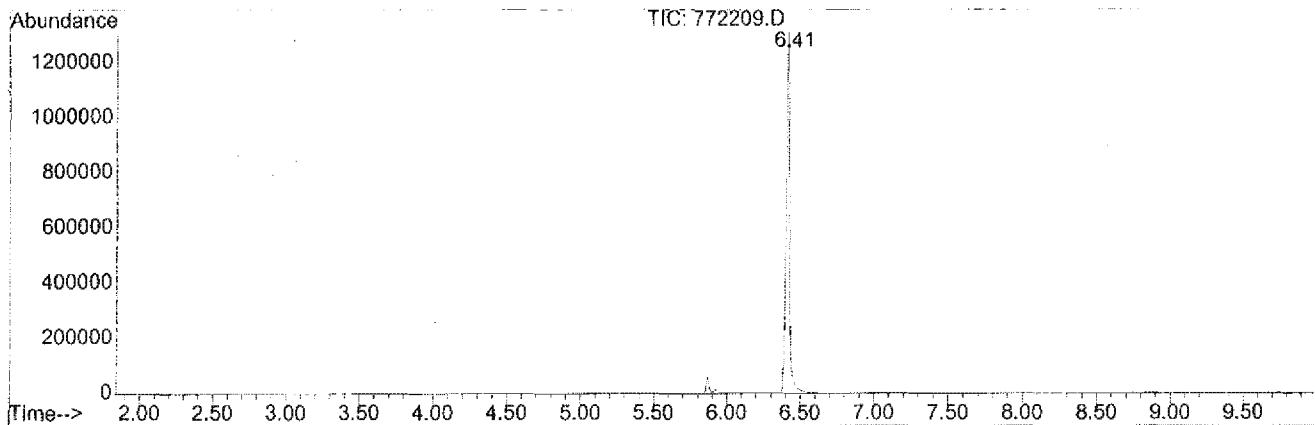
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772209.D
Operator : KAC
Date Acquired : 16 Feb 2011 11:46
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.412	2154928	100.00	100.00

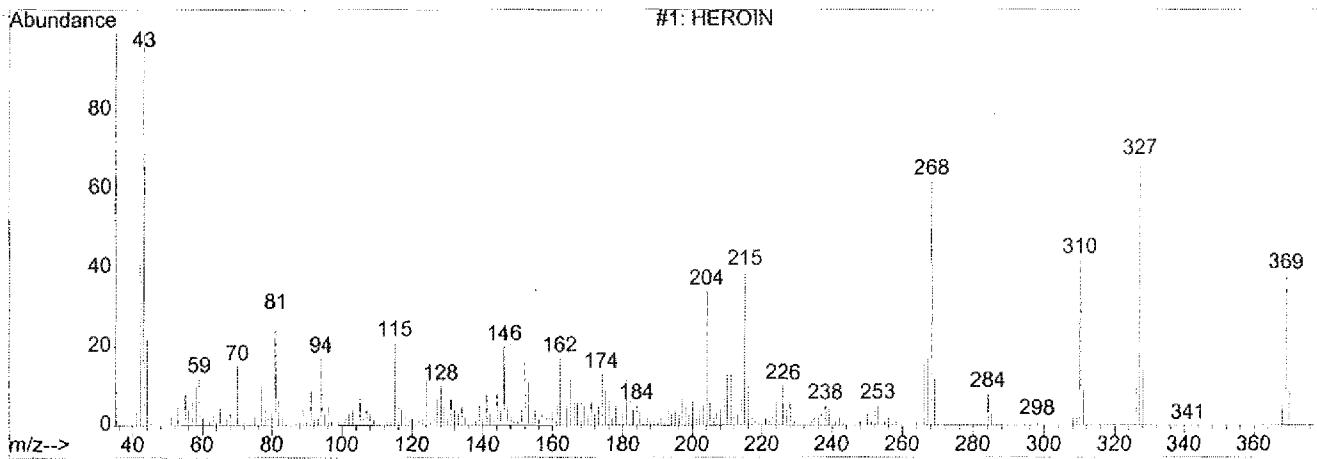
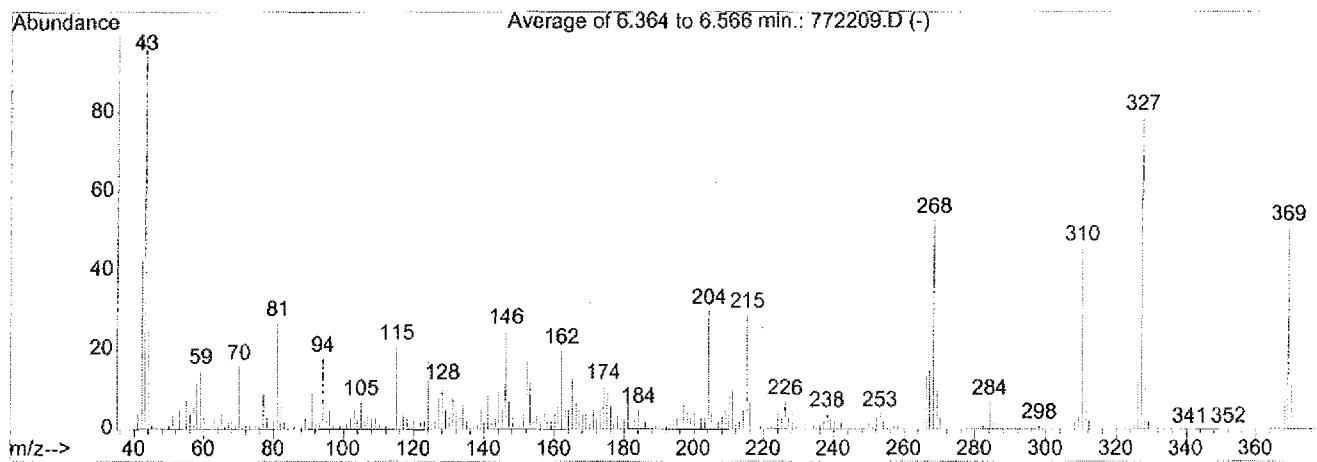
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772209.D
Operator : KAC
Date Acquired : 16 Feb 2011 11:46
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

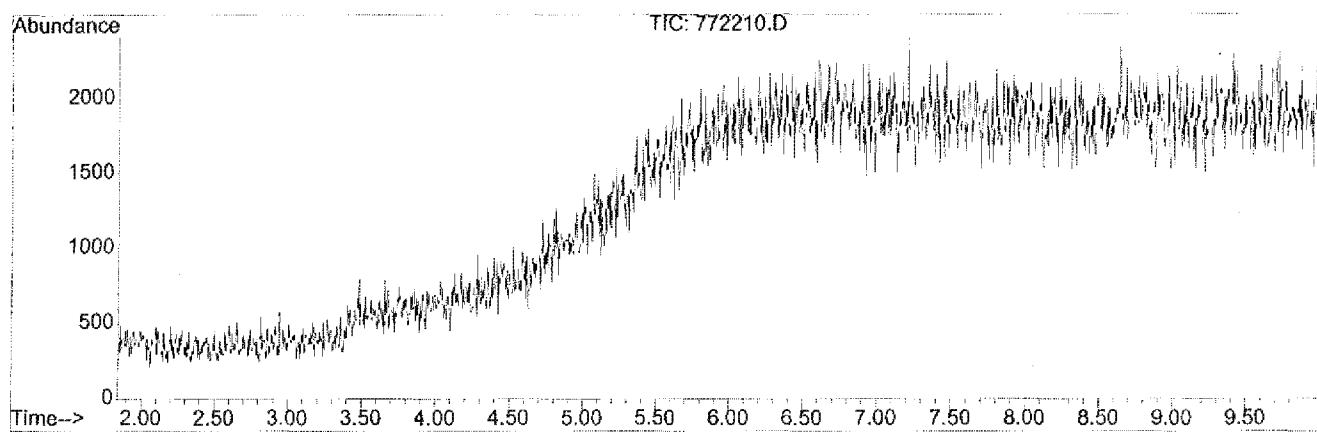
PK#	RT	Library/ID	CAS#	Qual
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Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772210.D
Operator : KAC
Date Acquired : 16 Feb 2011 11:59
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



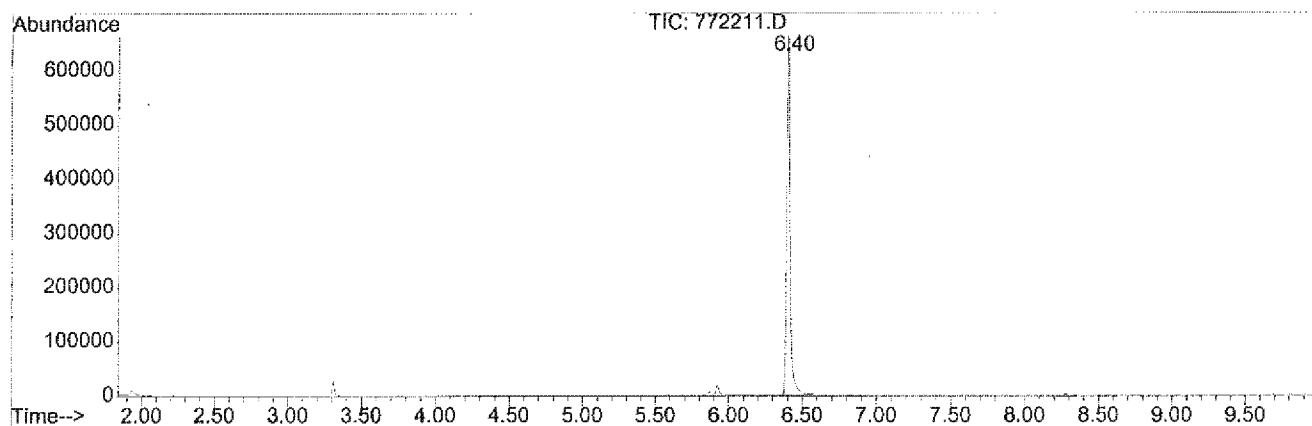
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772211.D
Operator : KAC
Date Acquired : 16 Feb 2011 12:12
Sample Name : [REDACTED]
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.401	1046496	100.00	100.00

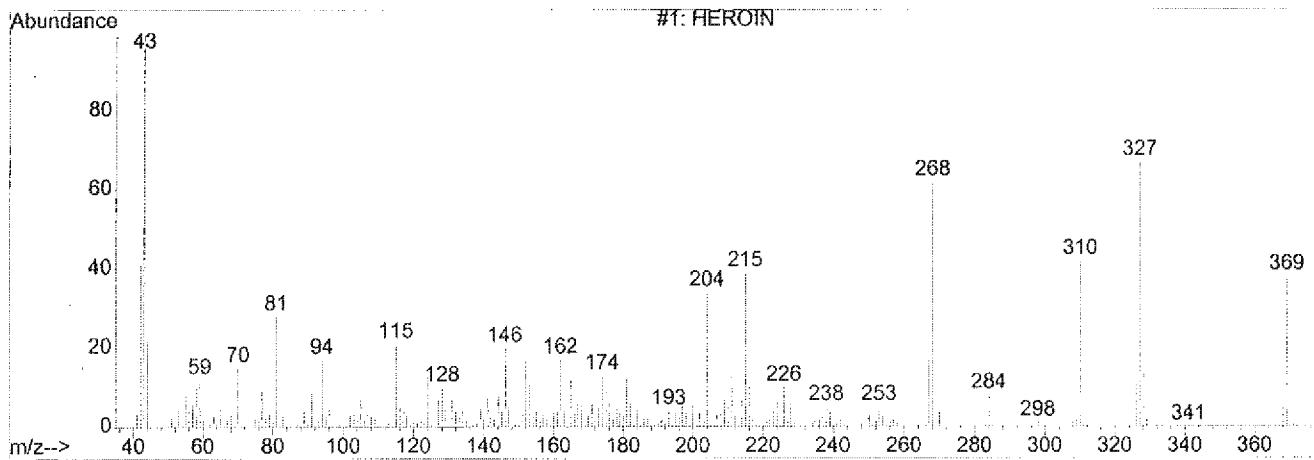
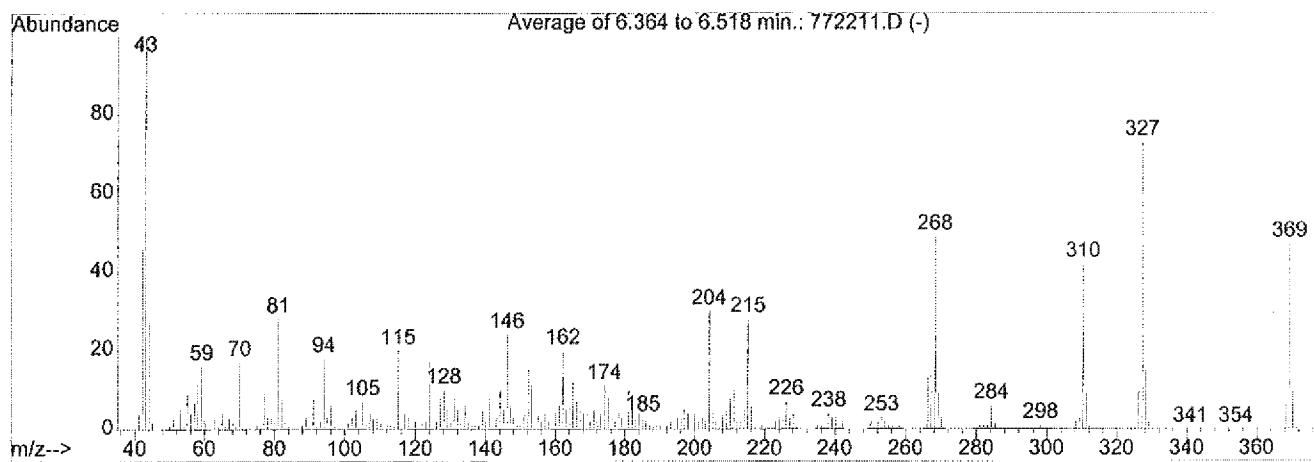
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772211.D
Operator : KAC
Date Acquired : 16 Feb 2011 12:12
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

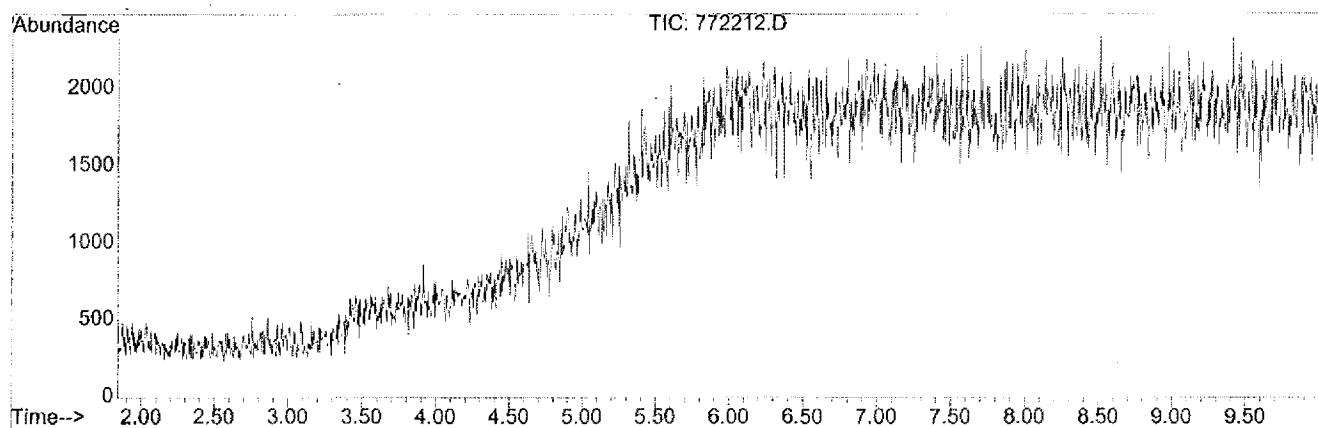
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Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772212.D
Operator : KAC
Date Acquired : 16 Feb 2011 12:24
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



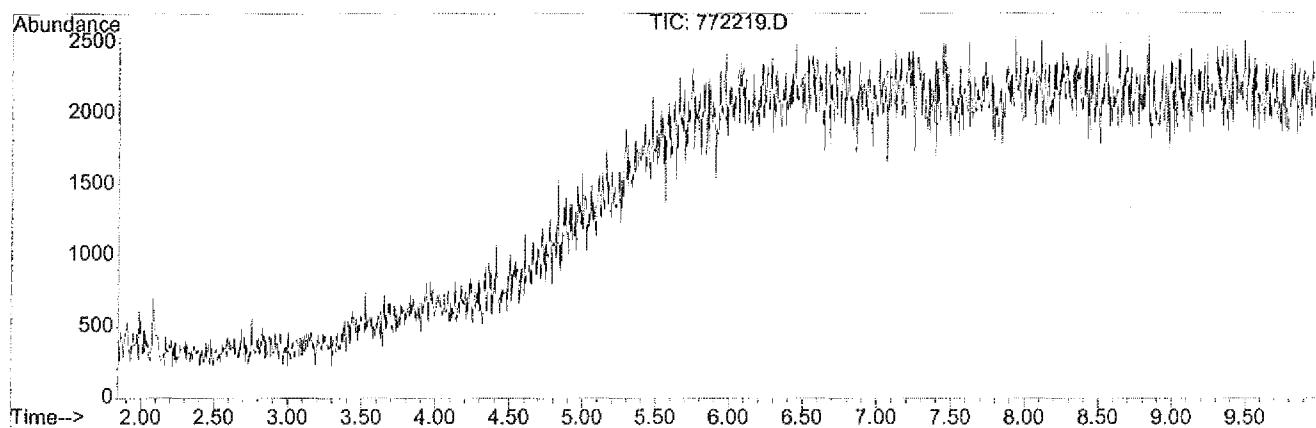
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772219.D
Operator : KAC
Date Acquired : 16 Feb 2011 13:53
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



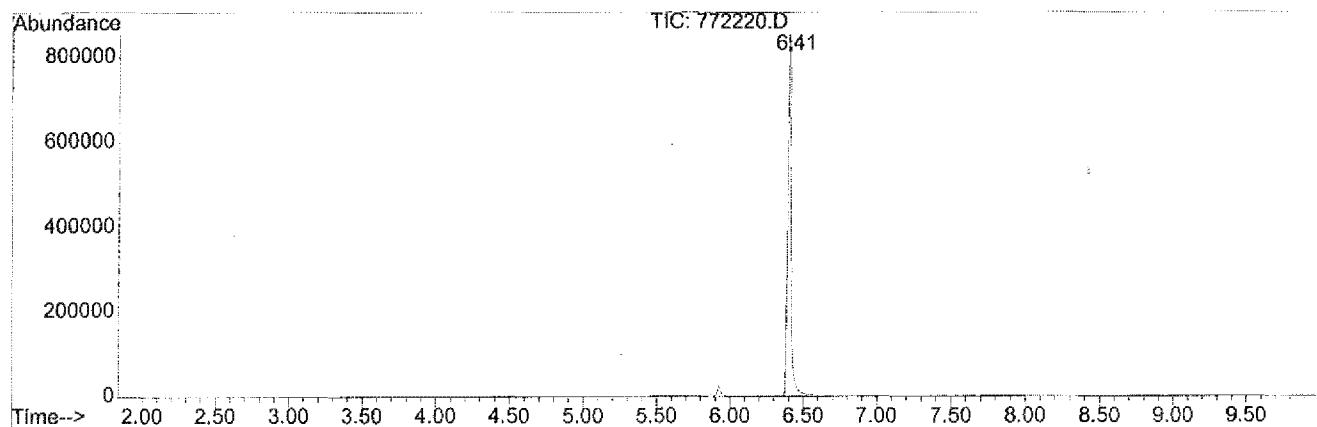
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772220.D
Operator : KAC
Date Acquired : 16 Feb 2011 14:05
Sample Name : HEROIN STD
Submitted by :
Vial Number : 20
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.407	1391969	100.00	100.00

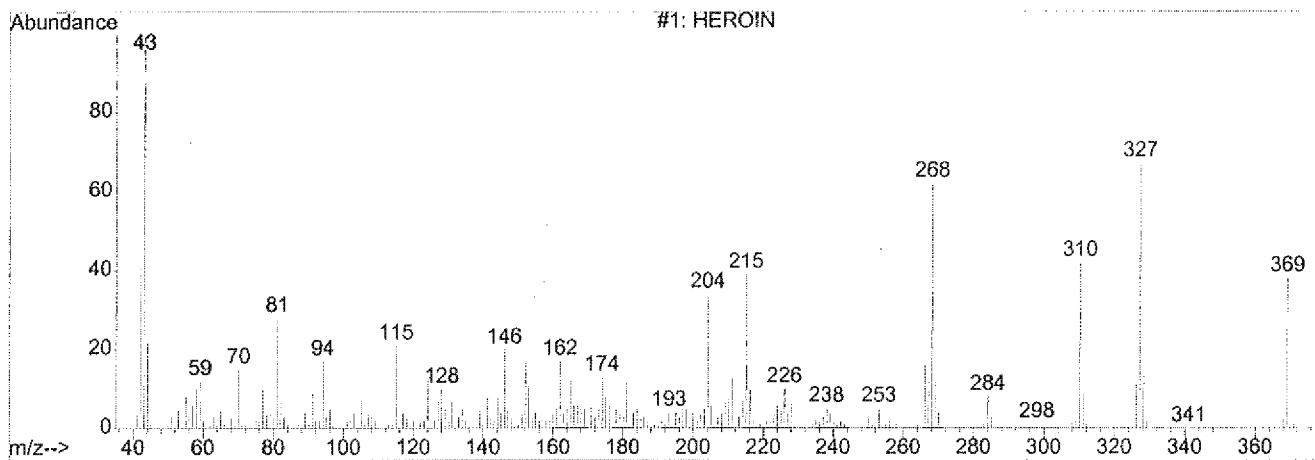
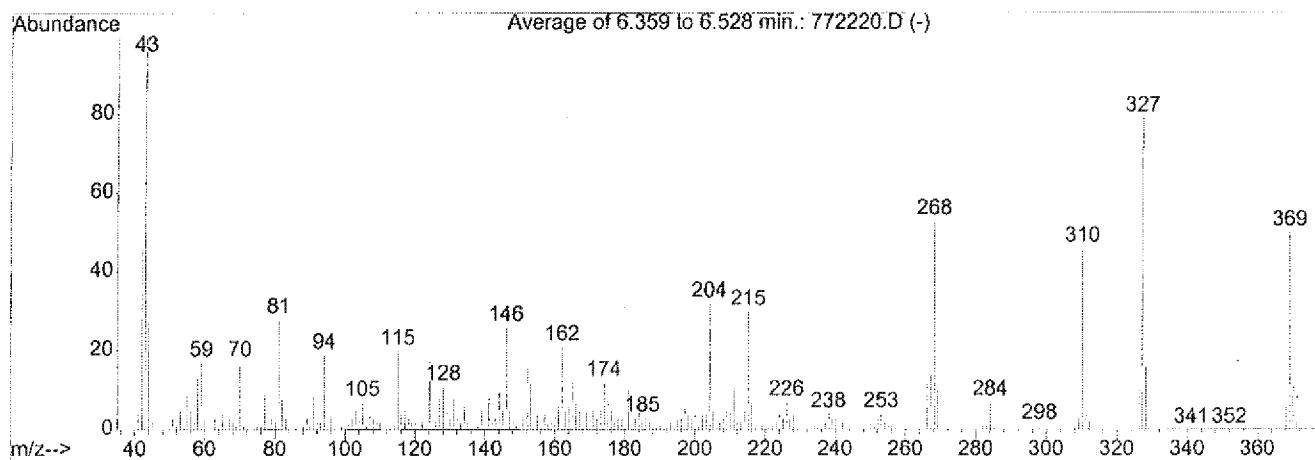
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772220.D
Operator : KAC
Date Acquired : 16 Feb 2011 14:05
Sample Name : HEROIN STD
Submitted by :
Vial Number : 20
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

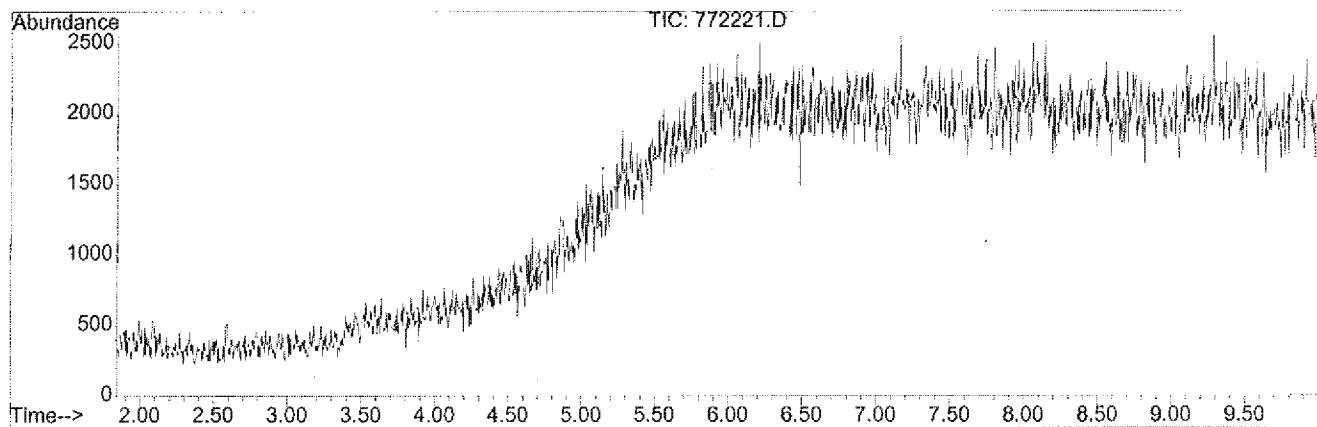
PK#	RT	Library/ID	CAS#	Qual
1	6.41	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM7\02_16_11\772221.D
Operator : KAC
Date Acquired : 16 Feb 2011 14:18
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS